STASYUK, Valentin Nikolayevich, kand. tekhn. nauk; SMIRNOV, A.A., otv. red.; LYUBIMOV, N.G., red.izd-va; PROZOROVSKAYA, V.L., tekhn. red.; MAKSIMOVA, V.V., tekhn. red.

[Electric locomotive transportation in open-pit mines] Elektrovoznyi transport na kar'erakh. Moskva, Gosgortekhizdat, 1963. 287 p. (MIRA 16:7)

ANDREYEV, Aleksey Vladimirovich, doktor tekhn. nauk; ANCHAROV, Il'ya Leonidovich, inzh.; KUDINOV, Georgiy Pavlovich; SMIRNOV, A.A., retsenzent; LYUBIMOV, N.G., red. izd-va; MINSKER, L.I., tekhn. red.; IL'INSKAYA, G.M., tekhn. red.

> [Automatic control of open-pit mine transportation] Avtomatizatsiia kar¹ernogo transporta. Moskva, Gosgortekhiz-(MIRA 16:10) dat, 1963. 253 p. (Strip mining-Equipment and supplies)

(Mine haulage) (Automatic control)

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510011-0"

BROVKO, Aleksey tetrovich, Valchilli, Valc, extrement There is V.76., retsenzent; 7ARHAROV, Alb., retsenzent; RROPACHEV, V.1., retsenzent; PASTUKHOV. N.V., retsenzent; PEREGUDOV, V.V., retsenzent; PENOMEREV, V.A., retsenzent; RUDEV, A.M., retsenzent; KHPOFUNGKIY, Ye.A., retsenzent; SMIRHOV, A.A., inzn., retsenzent [Contact networks in strip mines] Kontaktnaia set' na

karleraka. Moskva, Nedra, 1962. 207 p. (MIRA 18:2)

1. Inshenerme-takknicheskiye rabotniki Korkinskogo tresta ugollnykh predpriyatiy (for all except Brovko).

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510011-0"

SMIRNOV, A. A., zasluzhennyy vrach RSFSR.

"Sulfanilanides and antibiotics in eye diseases." T.N. Gerasimenko.
Reviewed by A. A. Smirnov. Sov. med. 19 no.11:90-91 155. (MIRA 9:1)

(ITS-DISMASS AND DMFNOTS)

(ANTIBIOTICS)

(SULFANILAMIDMS)

(GERAS DMENKO, T. M.)

SMIRNOV, A.A., zasluzhennyy vrach (Ul'yanovsk)

E.V.Adamiuk and his merits in the field of ophthalmology in Russis.
Sov.med, 21 no.5:143-147 My '57.

(ADAMIUK, EMELIAN VALENTINOVICH, 1839-1906)

(ADAMIUK, EMELIAN VALENTINOVICH, 1839-1906)

SMIRNOV, A.A., zasluzhennyy vrach RSFSR (Ul'yanovsk)

Cuppimg of incipient stys. Sov.med. 26 no.6:134 '62.

(MIRA 15:11)

(EYELIDS—DISEASES)

SMIRNOV, A.A.

Automatic regulator of the density of the impregnation solution for match sticks. Der.prom. 11 no.2:13-14 F '62. (MIRA 15:1)

 Leningradskaya lesotekhnicheskaya akademiya im. S.M.Kirova. (Match industry--Equipment and supplies)

SMIRNOV, A.A., inzhener; YUKALOV, I.N., inzhener; FANBULOV, A.K., kandidat

Compressor and instrument parts casting in shell molds. Lit.proisv. no.7:8-10 J1 '56. (MLRA 9:9) (Shell melding (Founding))

SMIRNOV, A.A., insh.; YUKAIOV, I.N., inzh.; FANBULOV, A.K., kand. tekhn.nauk

Shell molding of compressor and apparatus parts. Sbor.st.
NIIKHIMMASH no.23:38-46 '57. (MIRA 12:5)

(Shell molding (Founding))

New Trends in Machinery Manufacture

807/3109

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COVERAGE: This is the first number of the Transactions of VNIIMASH (formerly VNIIMASH) on the theoretical and experimental work carried out by the All-Union Scientific Research Institute for Standardization of Machine Building in 1956-57. Subjects covered include investigations of new constructions and advanced methods in manufacturing machine parts for general machine building, hydraulic machinery, textile, sewing and other machines. The ten papers in this issue describe improvements in preparatory technique for making steel and iron castings, the progressive technique of making blanks for spinning rings by the closed die forging method, improvements in making parts for textile machines, sand and mud pumps and other machinery. Problems of automation in mass production of needles for sewing machines are discussed and the theory of deformation of rings with large curvature is presented. No personalities are mentioned. References accompany each article.

TABLE OF CONTENTS:

Preface

3

Smirnov, A.A., Engineer, and V.N. Smyslenov, Engineer. Chemically Hardening Mixtures for Steel and Iron Castings Production of CO₂ and the CO₂ process are described.

5

Card 2/4

New Trends in M	achinery Manufacture	sov/3 109	
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	Ingineer, and V.T. Chirikov, C Treatment of Riffled Cylinder		212
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18(5) SOV/128-59-9-4/25

AUTHOR: Smirnov A.A. and Bobysheva I.V., Engineers

TITLE: Two-layer Shell Moulds for Iron Castings

PERIODICAL: Liteynoye proizvodstvo, 1959, Nr 9, pp 14-15 (USSR)

ABSTRACT: Application of processes which enable manufacturing

of castings with highly precise and clean surface, by using shell moulds made of thermo-reactive rosins, is limited owing to the high cost of materials involved (rosins, bakelite). To meet the problem of cost reduction, the Institute VNIINMASh (VNIITMASh) worked out, in 1957-1959, a technological precess of preparing two-layer moulds, where thermo-reactive

rosins are combined with liquid glass and other chemically hardening materials. According to this method, the moulds are prepared of two layers - a thin one consisting of a mixture of sand and rosin (facing layer), and a thicker one made on the basis of liquid glass (consolidating layer). The require

of liquid glass (consolidating layer). The requirements presented to two-layer shell moulds imply a number of physico-mechanical properties of layers entering as components in the moulds construction,

Card 1/3 such as their strength, heat-stability, gas-permeabi-

SOV/128-59-9-4/25

Two-Layer Shell Moulds for Iron Castings

The strength values of the layers conlity, etc. taining 2 to 8% of powdered bakelite or liquid glass are given in Figure :. A number of researchers (A.M. Lyass, L. Petrzhela and others) have determined that the strength of mixtures with different contents of liquid glass increases with the temperature rise, at taining its climax at 500° - 600°C, while the strength of thermo-reactive rosins falls, as their temperature is increased (research of O.V. Kolacheva, B. Vaters and others). The property of gas-permeability of double-layer shell moulds secures obtaining of highquality castings. It has been experimentally established that the thickness of sand-rosin layers should vary from 1.5 to 6 mm, while that of the mixture with liquid glass should amount to 20-50 mm, both depending on the weight of the casting to be moulded. Pertinent figures are given on Page 15. The following is the mixture composition used for the preparation of doublelayer shell moulds: 1) sand-rosin layer - 94 to 95% fine quartz sand, 5-6% powdered bakelite, and 0.20 - 0.35% paraffin-oil; 2) liquid glass layer - 100% of

Card 2/3

Two-Layer Shell Moulds for Iron Castings

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coarse quartz sand and 6-7% (over 100%) of liquid glass. The manufacturing cost of castings had been, with the application of two-layer shell moulds, reduced by 8-9%, as compared with their cost when common methods of production were used; the labor applied was also nearly 2 times reduced. As a result, the total cost of castings was decreased by not less than 12% of its original value. There are 1 graph, 2 tables and 3 photographs.

Card 3/3

SMIRNOV, A. A.

Technology

Repair of thermotechnical control and measuring instruments. Moskva-Leningrad, Gostoptekhizdat, 1950.

9. Monthly List of Russian Accessions, Library of Congress, October 1952 XXX, Uncl.

PHASE I

TREASURE ISLAND BIBLIOGRAPHICAL REPORT

AID 599 - I

BOOK

Author: SMIRNOV, A. A.

call No.: AF645853

Full Title: MAINTENANCE AND REPAIR OF HEAT CONTROL AND MEASURING INSTRUMENTS. Manual. 2nd ed., rev. and supp.

Transliterated Title: Remont teplotekhnicheskikh kontrol'noizmeritel'nykh priborov. Prakticheskoye

rukovodstvo. Vtor. perer. i dopol. izd.

PUBLISHING DATA

Originating Agency: None

Publishing House: State Scientific and Technical Publishing House of Petroleum and Mineral Fuel Literature (GOSTOPTEKHIZDAT)

Date: 1952 No. pp.: 478 No. of copies: 16,500

Editorial Staff

Editor: Gordov, A. N. Tech. Editor: Sokolova, E. V.

FURPOSE: A manual for maintenance and repair crews at power places and industrial establishments, a handbook for engineering and technical personnel in all industries and a textbook in tekhnikums and industrial training schools.

TEXT DATA

Coverage: This is the second edition of what the author calls the first attempt to write a practical manual for maintenance and repair

1/2

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651510011-0"

SMIRNOV, Aleksey Aleksandrovich; TROSHCHENKOV, I.I., redaktor; DOIMATOV, P.S., vedushchly redaktor; GENNAD'TEVA, I.M., tekhn. redaktor.

[Repair of heat regulators; a prectical reference manual] Remont regulatorov teplovykh proteessov; spravochnoe prakticheskoe rukovodstvo. Leningrad, Gos. nauchno-tekhn. izd-vo neft. i gornotoplivnoi lit-ry, 1957. 654 p.

(Thermostat--Maintenance and repair) (Automatic control)

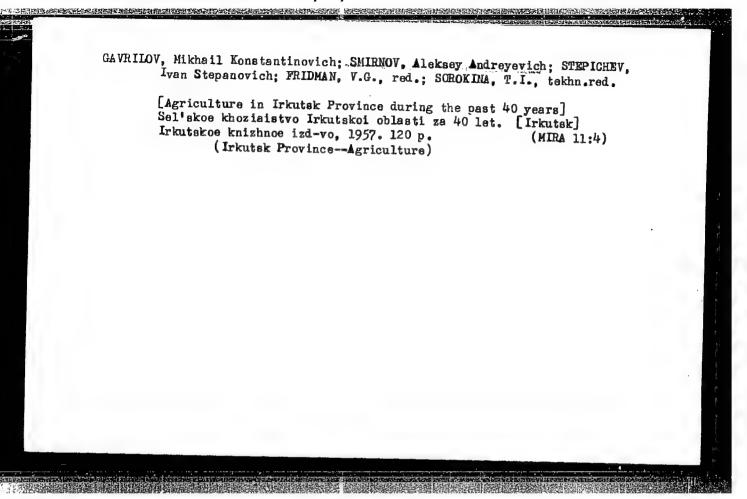
(Heat)

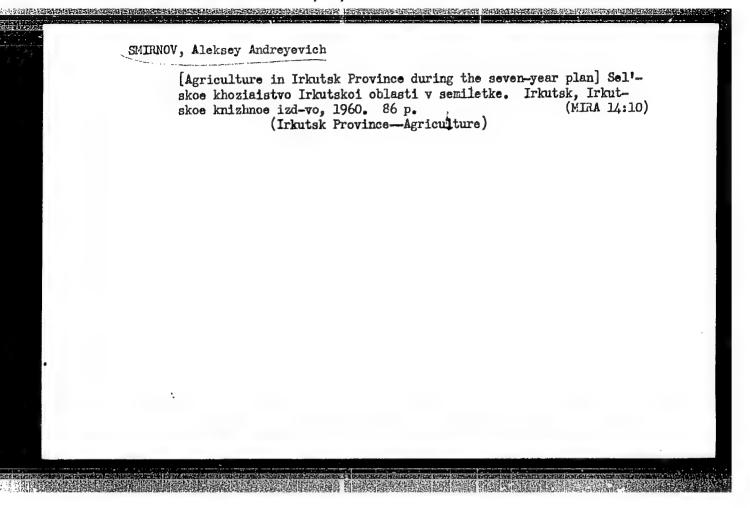
KUDHYASHEV, L. I.; SMIRHOV, A. A.

"Estimation of influence of thermal unsteady state on convective heat-transfer coefficient for spherical bodies in flow at small Reynolds numbers."

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk, 4-12 May 1964.

Kubybyshev Aviation Inst.





SMIRNOV, A.A.; VISHNYAKOVA, Ye.A., red.; MATVEYEV, A.P., tekhn.red.

[Siberian virgin land] Sibirskaia tselina. Moskva, Izd-vo
"Sovetskaia Rossiia," 1959. 186 p. (MIRA 13:6)

(Siberia)

SMIRNOV, A.A., ispolnyayushchiy obyazannosti dotsenta

Some problems of the hydrodynamics of a suspended layer. Sbor.
nauch. trud. Kuib. indus. inst. no.8:111-121 '59. (MIRA 14:7)

(Hydrodynamics)

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S/612/59/000/008/010/016 D218/D304

26.2181 AUTHOR:

Smirnov, A. A., Acting Docent

TITLE:

On applying the gas-dynamic theory of heat transfer to flow past bodies with separation

SOURCE:

Kuybyshev. Industrial'nyy institut. Sbornik nauchnykh trudov, no. 8, 1959. Teplotekhnika; voprosy teorii rascheta i proyektirovaniya. 123-130

TEXT: The author is concerned with the high speed flow of a liquid past a symmetric body, with heat transfer occurring between the body and the liquid. The analysis is confined to the two-dimensional case. It is pointed out that the effect of separation is accompanied by an irreversible transformation of mechanical energy, giving rise to the appearance of the total hydrodynamic resistance. The latter can be divided into two terms, namely, frictional resistance and pressure resistance. The hydrodynamic theory of heat transfer is then inapplicable to the pressure resistance. However, if the pressure in the wake is taken into account, then the theory Card 1/2

)

On applying the gas-dynamic ...

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can be generalized to the case of flow with separation by introducing a certain correction into the appropriate formula which takes into account the contribution due to pressure resistance in the total resistance of the body. The author derives a generalized formula of gas-dynamic heat transfer and a transcendental equation for the correction coefficient K_{∞}^{++} , occurring there in terms of the dynamic and thermal characteristics of the wake at points distant from the body. The equation can be used for experimentally determining the coefficient. There are 5 Soviet-bloc references.

Card 2/2

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X

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24.5200

AUTHORS:

Kudryashev, L. I., Smirnov, A. A.

TITLE:

The effect of unsteady heat transfer on the coefficient of heat transfer between a streamed-at solid and the flow

PERIODICAL:

Inzhenerno-fizicheskiy zhurnal, v. 4, no. 10, 1961, 21 - 29

TEXT: An infinitely long cylinder standing in the z direction is assumed to be subjected to an external cooling flow in the x direction. At the instant T = 0 the cylinder is supposed to be immersed infinitely fast into the flow. An unsteady heat transfer between cylinder and liquid begins at this moment. The authors base their theoretical investigations on the general flow equations and on the law of the increase of the turbulence

 $L = \sqrt{2\pi yt}$ which was established by Academician L. I. Sedov (Metody podobiya razmernosti v mekhanike, 1954). The heat transfer coefficient is found to be $\alpha = \frac{2\sqrt{\pi c}}{\pi} \frac{t_{\text{max}}}{\sqrt{t_{\text{w}}}} c_{\text{po}} \sqrt{v_{\text{o}}} \sqrt{v_{\text{max}}} \sqrt{v_{\text{o}}} \sqrt{v_{o}}} \sqrt{v_{\text{o}}} \sqrt{v_$

where t maximum temperature in the middle of the wake Card 1/5

The effect of unsteady ...

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(y = 0), c_{po} and v_{po} are the values of c_{po} and v_{po} in the undisturbed flow, v_{po} is the undisturbed flow rate, $c = v_{x1max} v_{po}$, v_{x1max} indicates the maximum velocity in the middle of the wake, and b is the breadth of the wake. For v_{po} for v_{po} is the preadth of the wake.

 $Nu^{2} = \frac{4c}{\pi} \left(\frac{t_{1max}}{v_{w}}\right)^{2} FoRe^{2} + \frac{4c}{\pi} \left(\frac{t_{1max}}{v_{w}}\right)^{2} \frac{x}{d} Re \qquad (24).$

Since $(t_{1\text{max}}/\vartheta_w)^2 x/d = \varphi_1(\text{Re})$ and $(t_{1\text{max}}/\vartheta_w)^2 = \varphi_2(\text{Fo,Re})$, one obtains from Eq. (24) $\text{Nu}^2/\text{Nu}_{\text{st}}^2 = 1 + \text{c/Fo}^n\text{Re}$ (27), which is particularly con-

venient for experimental investigations. These investigations were carried out as follows: A 36 mm thick and 192 mm long duraluminium cylinder was heated to 180°C, and was then placed into an air stream. Temperature was measured by means of thermocouples. Fig. 1 shows the change of the cooling rate (1/sec) as a function of time (sec). Nu²/Nu² versus FoRe 0.7 is rendered in Fig. 3. Nu²/Nu² 1 + 3.6/(FoRe 0.7) 0.55 is obtained for 0 FoRe 0.7 < 3 and Nu²/Nu² 1 + 282(FoRe 0.7) for 23 FoRe 0.7 < 70.

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The effect of unsteady...

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4

These results are in good agreement with the calculated values. Mention is made of B. D. Katsnel'son and F. A. Timofevera ("Teploperedacha i aerogidrodinamika", kniga 12, vyp. 3, Mashtiz, 1949; "Kotloturbostroyeniye" no. 5, 1948), and of Ye. M. Minskiy ("Izv. AN SSSR", 28, no. 8, 1940). There are 4 figures and 10 references: 9 Soviet and 1 non-Soviet.

ASSOCIATION: Aviatsionnyy institut, g. Kuybyshev (Aviation Institute, Kuybyshev)

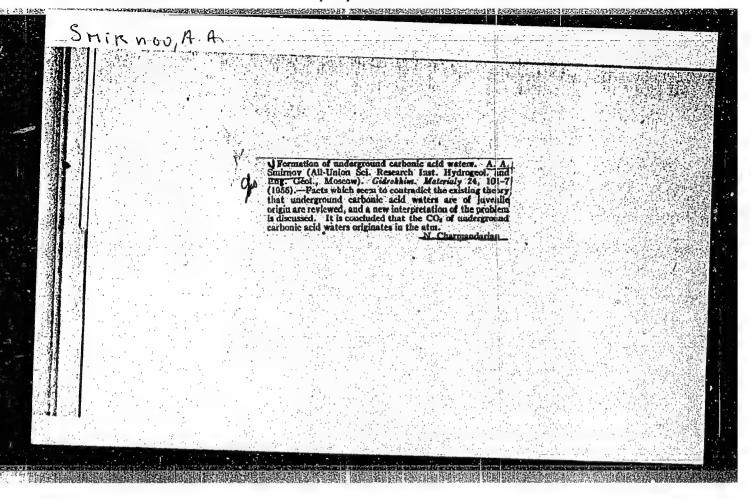
SUBMITTED: April 28, 1961

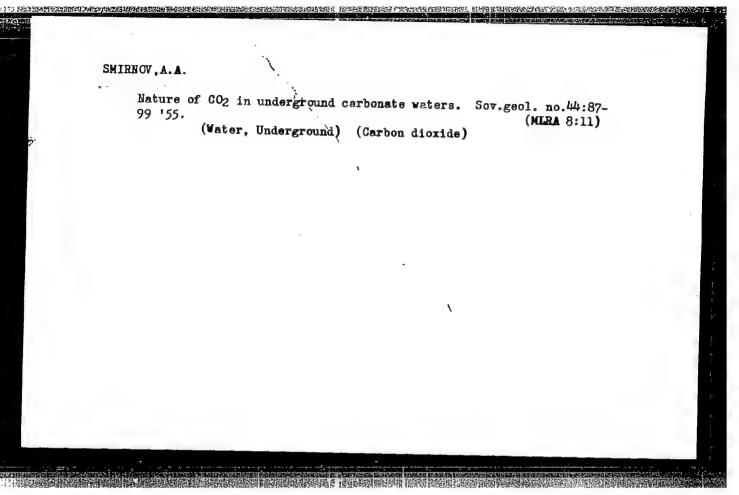
Card 3/5

1. SMIRNOV. A.A	
T. OMLINIVA BAB	

- 2. USSR (600)
- 4. Water, Undeground
- 7. Establishment of actual processes of the formation of carbonic acids of subterranean water and the significance of the established phenomena in perceiving of source of ore formations. Biul.MOIP. Otd.geol. 27, no.4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.





SMIRHOV, A.A.; SHCHERBAKOV, A.V.; SKVORTSOV, V.P., red.; BORISOV, A.S., tekhn.red.

[Practical instructions for the interpretation and verification of radiohydrogeological anomalies in prospecting for uranium deposits] Metodicheskie ukazaniia po interpretatsii i proverke radiogidrogeologicheskikh anomalii s tselliu poiskov uranovykh mestorochdenii, Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nedr. 1957. 33 p. (MIRA 11:6) (Uranium) (Prospecting-Geophysical methods)

SMILKOV, A.A.

Genesis of CO₂ in modern carbonate underground waters. Sov. geol.
1 no.1:150-155 Ja '58. (MIRA 11:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut-gidrogeologii inzhenernoy geologii.
(Water, Underground) (Carbon dioxide)

SMIRNOV, A.A.

Investigating channel infiltration capacity in solving hydrogeological problems [with summary in English]. Sov. geol. 1 no.3:95-105 Mr (MIRA 11:5)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova. (Water, Underground)

SMIRNOV, A.A.

THE REPORT OF THE PROPERTY OF

Using the natural electric field method in the region of the Kungur ice cave. Vest. Mosk. un. Ser. biol., pochv., geol., geog. 13 no.2:195-200 58. (MIRA 11:9)

 Moskovskiy gos. universitet, Kafedra geofiziki. (Kungur region--Karst) (Geophysical research)

SMIRNOV, A. A.: Master Geolog-Mineralog Sci (diss) -- "A study of filtration potentials in order to solve some hydrogeological problems". Moscow, 1959. 12 pp (Min Higher Educ USSR, Moscow Order of Lenin and Order of Labor Red Banner State U im M. V. Lomonosov, Geol Faculty), 110 copies (KL, No 18, 1959, 182)

39077 S/169/62/000/006/006/093 D228/D304

24,1800

AUTHORS:

Frolov, A. D. and Smirnov, A. A.

TITLE:

Some results of studying ultrasound propagation in

rock specimens

PERIODICAL:

Referativnyy zhurnal, Geofizika, no. 6, 1962, 7, ab-

stract 6A33 (V sb. Merzlotn. issled., no. 1, M., MGU,

1961, 236-254)

TEXT: The measurements were made by means of the ultrasonic device $\gamma \pi^{-4}$ (UP-4), designed on the basis of the NKJ-5 (IKL-5) apparatus. The UP-4 device is an electron-acoustic appliance, allowing the passage of an elastic impulse through a rock specimen to be measured in a wide time range. The time is determined by means of reading marks on the cathode-ray tube's scale. There are three time-measurement bands, covering an interval from 0 to 16,000 asec. The circuit provides for a certain main-pulsing time lag in relation to the moment when scanning is started. An additional lag which can be smoothly controlled within the single interval between the main

Card 1/3

Some results of studying ...

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time marks on each band, is created by means of a special potentiometer. A time interpolation accuracy of 0.05-the value of the interval on each band is achieved as a result. The specimens were prepared from the core of holes, drilled near the Yakovlev KMA deposit; the specimens were paraffinized in order to preserve their natural moisture. After preparation, the specimens were subjected to freezing in a special refrigerating plant at a temperature of -50°C for 6 - 7 hours. The values of the propagational speeds of ultrasound and of the elasticity modulus for clays, sands, their interstratification, and sandstone were determined as a result of the executed tests. It is established how these magnitudes change in relation to the temperature in the range from -20 to +20°C, the freezing conditions, and the moisture. In the temperature range from -2 to +2°C there is an extremely sharp change in the acoustic characteristics of argillo-arenaceous rocks. The values of the propagational speeds of ultrasound in the studied rocks vary from 1500 to 3100 m/sec. The jump in the change of the propagation velocity of ultrasound reaches 300 - 500% for sands and 20 - 30% for clays. Subsequently it will be expedient to continue the re-Card 2/3

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Some results of studying ...

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search with the aim of ascertaining the absorption factor on different frequencies and in different lithologic rock types. It will be necessary, too, to study the conditions of the propagation and the possible recording of not only longitudinal but also transverse and other waves. Abstracter's note: Complete translation.

ZAYTSEV, G.N.; POGOREL'SKIY, N.S.; SMIRNOV, A.A.; FOMIN, V.M.; SHAGOYANTS, S.A.

New data on carbonated underground waters in the region of Caucasian Mineral Waters. Sov. geol. 4 no.1:89-97 Ja '61. (MIRA 14:1)

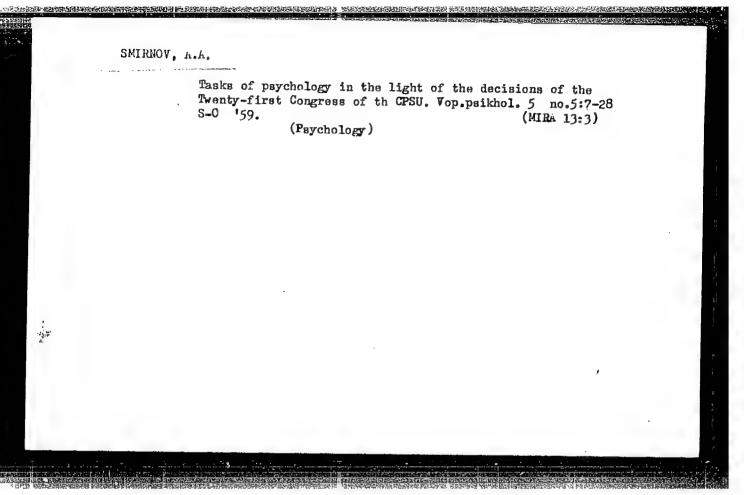
l. Ministerstvo geologii i okhrany nedr SSSR, Vsesoyuznyy nauchnoissledovatel skiy institut gidrogeologii i inzhenernoy geologii, Glavgeologiya RSFSR i Severo-Kavkazskoye geologicheskoye upravleniye. (Caucasus--Mineral waters)

[Summaries of papers to a conference on phychology] Soveshchanie po psikhologii. Tezisy dokladov. Moskva, Ikd-vo Akad. pedagog. nauk RSFSR, 1953. 67 p. (MIRA 14:8) (EDUCATIONAL PSYCHOLOGY) (PERCEPTION) (NERVOUS SYSTEM)

ANAN'YEV, B.G., red.; KOSTYUK, G.S., red.; LEONT'YEV, A.N., red.; LURIYA, A.R., red.; MENCHINSKAYA, N.A., red.; RUBINSHTEYN, S.L., red.; SMIRNOV, A.A., red.; TEPLOV, B.M., red.; SHEMYAKIN, F.N., red.; ZHUKOV, I.V., red.; PONOMAREV, Ya.A., red.; MATYUSHKIN, A.M., red.; LAUT, V.G., tekhn.red.

[Paychology in the U.S.S.R.] Psikhologicheskaia nauka v SSSR. Moskva, Vol.1. 1959. 597 p. (MIRA 12:8)

1. Akademiya pedagogicheskikh nauk RSFSR, Moscow. Institut psikhologii.
(Psychology)



ANAN'YEV, B.G., red.; KOSTYUK, G.S., red.; LEONT'YEV, A.N., red.; LURIYA, A.R., red.; MENCHINSKAYA, N.A., red.; RUBINSHTEYN, S.L., red.; [deceased]; SMIRNOV, A.A., red.; TEPLOV, B.M., red.; SHEMYAKIN, F.N., red.; PONOMAREV, Ya.A., red.; LAUT, V.G., tekhn.red.

[Psychology in the U.S.S.R.] Psikhologicheskaia nauka v SSSR. Moskva. Vol.2. 1960. 653 p. (MIRA 14:1)

1. Akademiya pedagogicheskikh nauk RSFSR. Institut psikhologii. (Psychology)

SMIRNOV, A.A.

Leninist theory of reflection and psychology. Vop.psikhol. 6 no.2:10-34 Mr-Ap '60. (MIRA 13:7)

1. Institut psikhologii APN RSFSR, Moskva.
(Lenin, Vladimir Il'ich, 1870-1924)
(Thought and thinking)

SZMIRNOV, A.A. [Smirnov, A.A.]

Psychological tasks as reflected in the decisions made at the 21st Congress of the Communist Party of the Soviet Union. Magy pszichol szemle 17 no.2:129-151 '60.

1. Szovjet Pszichologiai Tarsasag elnoke.

Psychological preparation for work. Vop. psikhol. 7 no.1:3-12 Ja-F *61.
(MIRA 14:3) 1. Institut psikhologii Akademii pedgagogicheskikh nauk RSFSR, Moskva. (Work-Psychological aspects)

RUBINSHTEYN, S.L.; SOKOLOV, A.N.; LURIYA, A.R.; LEOHT'YEV, A.N.; SMIRHOV, A.A.; GONOBOLIN, F.N.; MENCHINSKAYA N.A.; ZHINKIN, N.I.; IGNAT'YEV, Ye.N.; EL'KONIN, D.B.; GJREVICH, K.M.; GUR'YANOV, Ye.V.; LEYTES, N.S.; KRUTETSKIY, V.A. Frinitali uchastiye: POLYAKOV,G.I.; SHEMYAKIN, F.N.; TEPLOV, B.M., red.; VVEDENSKAYA, L.A., red.; DRANNIKOVA, M.S., tekhn. red.

[Psychology]Psikhologiia; uchebnik dlia pedagogicheskikh institutov. Pod red. A.A.Smirnova i dr. Izd.2. Moskva, Uchpedgiz, 1962. 558 p. 1. Akademiya pedagogicheskikh nauk RSFSR, Moscow. In (MIRA 15:11) stitut psikhologii.

(PSY CHOLOGY)

KOSTYUK, G.S.; MENCHINSKAYA, N.A.; SMIRNOV, A.A.

Urgent tasks of schools and the problems of educational psychology. Vop. psikhol. 9 no.5:48-60 S-0'63. (MIRA 17:2)

- Institut psikhologii, Kiyev (for Kostyuk).
 Institut psikhologii Akademii pedagogicheskikh nauk RSFSR, Moskva (for Menchinskaya, Smirnov).

KOSZTYUK, G.Sz. [Kostyuk, G.S.]; MENCSINSZKAJA, N.A. [Menchinskaya, N.A.]; SZMIRNOV, A.A. [Smirnov, A.A.]

Current tasks of the school and psychological problems of teaching. Magy pszichol szemle 21 no.3:357-371 164.

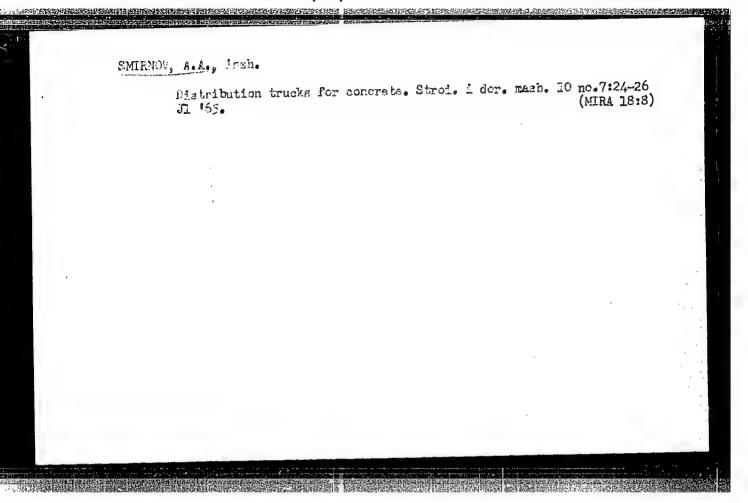
1. Institute of Psychology, Kiev (for Kosztyuk).
2. Institute of Psychology of the Academy of Educational Sciences of the R.S.F.S.R., Mo new (for Mencinszkaja and Dzmarnev).

KEEPA, YO.M.; MENUKYAN, K.G.; PATRIKEYEVA, M.V.; SMIRNOV, A.A.; CHEUYPAYEVA, YO.Yu.; CHIRKOVSKAYA, YO.V.

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SMINTON, A. A. "The Aygurskiy merino steep sovkhoz, Stavropol'kray," Trudy Stavrop.

S.-kh. in-ta, Issue 3, 100, p. 109-28

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

SMIRNOV, Aleksandr Arsen'yevich

SMIRNOV, Aleksandr Arsen'yevich (Stavropol' Agricultural Inst), Academic degree of Doctor of Agricultural Sciences, based on his defense, 16 December 1955, in the Council of the Moscow Veterinary Acad, of his dissertation entitled: "Alternate inter-breeding of fine-fleeced sheep."

For the Academic Degree of Doctor of Sciences

Byulleten' Ministerstva Vysshego Obrazovaniya SSSR, List No. 7, 31 March 1956 Decision of Higher Certification Commission Concerning Academic Degrees and Titles.

JPRS 512

"APPROVED FOR RELEASE: 08/25/2000

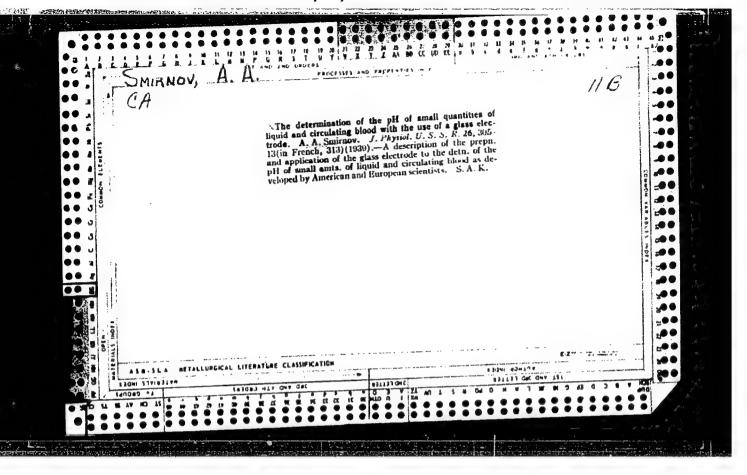
CIA-RDP86-00513R001651510011-0

UR/0218/64/029/006/1111/1118 ACCESSION NR: AP5020628 AUTHOR: Kreps, Ye. M.; Manukyan, K. G.; Patrikeyeva, M. V.; Smirnov, A. A.; Chenykayeva, Ye. Yu.; Chirkovskaya, Ye. V. TITLE: Phospholipids of the subcellular particles of hen's brain SOURCE: Biokhimiya, v. 29, no. 6, 1964, 1111-1118 TOPIC TAGS: cell physiology, brain, cytology, experiment animal Abstract: Investigations were conducted to determine the content of phospholipids in the subcellular particles (mitochondria, microsomes, and nuclei) of a hen's brain. Grown hens of the White Leghorn variety were used in the investigations. A hen's brain separated from the membrane and the blood vessels was reduced to fine particles and homogenized with a solution of saccharose and ethylenediamine tetraacetate for two minutes. The subcellular particles were isolated by differential centrifuging at temperatures of + 2 to four degrees. The phospholipid content in the subcellular particles was determined by paper chromotography. The investigations established that the phospholipid content was largest in the microsomes, and somewhat lower in the mitochondria and nuclei -- by 10-15 percent. Some differences characterized the fractions: lecithin was Card 1/2

			Parks Subscient Review
	L 62782-65 ACCESSION NR: AP5020628 found to be the largest component	t in all of the fractions; the fraction and phosphatidilserine was somewhat smaller	<i>O</i>
	small concentrations of sphingomy tidilglycerol were found. An abs	sence of phosphatidilglycerol is charac-	
	dria and nuclei. It was established and nuclei. It was established larger quantities of shingomyeling and the mitochandria contain.	n and lecithin than the other fractions, arger quantities of ethanoaminophosphatide	
	Akademii nauk SSSK, Leningrau	onnoy fiziologii i biokhimii im. I. M. Sec Institute of Evolutionary Physiology and I	chenova Biochemistry,
	Academy of Sciences SSSR) SUBMITTED: 23Apr64	ENCL: 00 SUB CODE:	is
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SHIRNCY, A. A.

PA 64T58

USSR/Medicine - Erythrocytes Jan/Feb 1948 Chemistry - Zinc, Determination of

"Polarographic Method of Quantitative Determination of Zinc in the Erythrocytes of the Blood," A. A. Smirnov, Physiol Inst imeni I. P. Pavlov, Acad Sci USSR, 9 pp

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Measurements of zinc content of erythrocytes permit estimation of amount of carbon anhydrase in animal blood. Margin of error in subject method for measurement was $\pm 2 - 3\%$. When two or three measurements are made this margin of error can be cut to $\pm 1 - 1.5\%$. From 0.5 to 1 g of erythrocytes is necessary for the measurements. Submitted 21 Jul 1947.

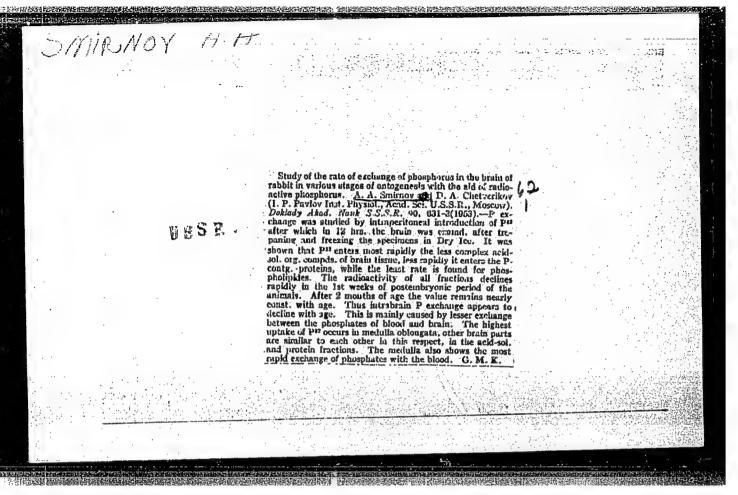
SMIRNOV, A.A.

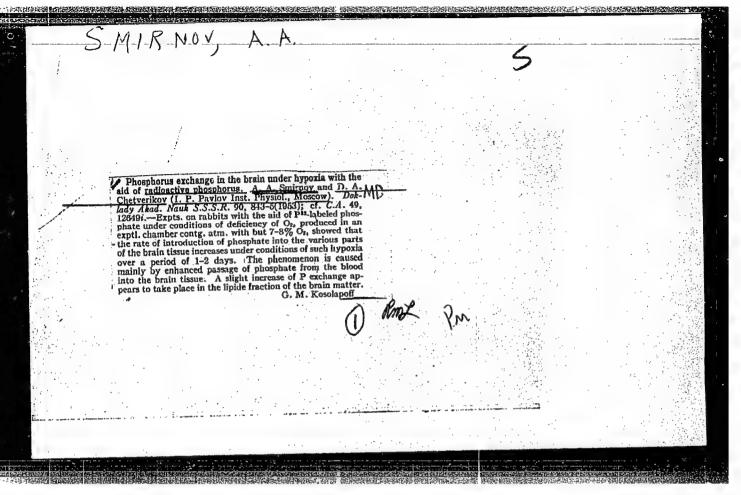
Characteristics of carbonic anhydrase in the blood of various classes of vertebrates. Biokhimiya 18,1-6 '53. (MLRA 6:1) (CA 47 no.16:8211 '53)

1. I.P.Pavlov Inst. Physiol., Acad. Sci. U.S.S.R., Leningrad.

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SMIRNOU, A.A.

USSR/ Medicine - Central nervous system

Card 1/1

Pub. 86 - 3/36

Authors

Smirnov, A. A., and Chetverikov, D. A.

Title

Radioactive isotopes for the studying of the metabolism of the brain

Periodical :

Priroda 2, 23-29, Feb 1954

Abstract

A brief review is presented for the purpose of acquainting the reader with the principles of employing radioactive isotopes for the study of the metabolism of the central nervous system and to explain the possibilities the isotope method will open to researchers working on the chemistry of the brain.

Institution :

Submitted

Translation M-200, 1 New 51

SMIRNOY, A.A.

USSR/Medicine - Physiology

Card 1/1

Pub. 22 - 35/51

Authors

Smirnov, A. A.

Title

Phosphorus metabolism in the cerebral cortex of a dog during sleep and awaken state

Periodical

Dok. AN SSSR 101/5, 913-916, Apr 11, 1955

Abstract

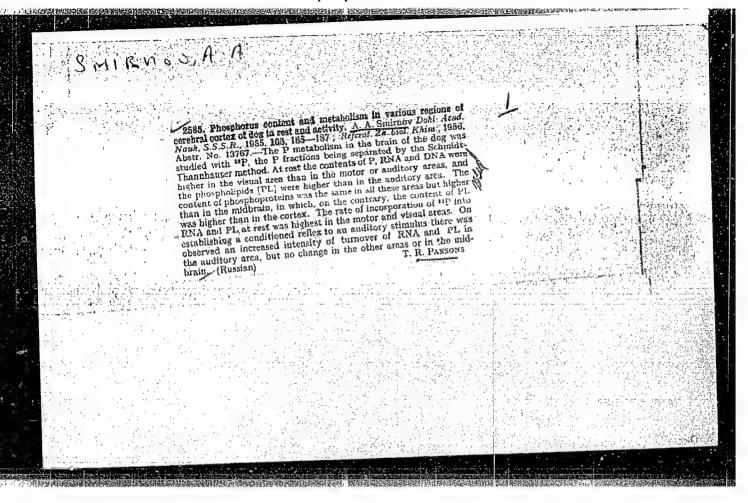
Experiments were conducted on dogs to compare the phosphorus metabolism in various zones of the cerebral cortex in the state of natural physiological sleep and the metabolic processes in the awaken state. The results obtained on eighteen adult canines are described. Eight references: 4 USSR, 3 USA and 1 English (1936-1954). Tables.

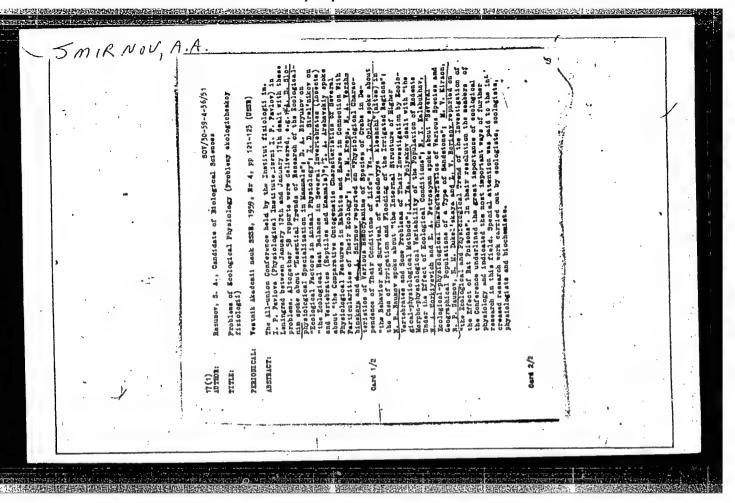
Institution

Acad. of Sc., USSR, The I. P. Pavlov Inst. of Physiol.

Presented by

Academician K. M. Bykov, December 13, 1954





SHIRMOV, A.A.: CHIRMOVSKAYA, Ye.W., EMBRIYAN, E.C.

Study of phospholiping in carical segments of the rat brain using various methods a caper the machography. Flockhimsta 26 no.6:1027-1033 E B TH. (MTR. 5-6)

1. Laboratory of Europhemistry. Institute of Evolutionary Physiology, Academy of Sciences of the W.S.S.R., Leningrad. (BAIT)

(PHOSPHATIDES)

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SMIRNOV, A.A., kand.med.nauk

Influence of high temperatures and air humidity on the rate of overheating of the human body. Gig. i san. 26 no.10:16-19 0 161. (MIRA 15:5)

(HEAT--PHYSIOLOGICAL EFFECT) (HUMIDITY--PHYSIOLOGICAL EFFECT)

(BODY TEMPERATURE--REGULATION)

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KREPS, Ye.M.; MANUKYAN, K.G.; SMIRNOV, A.A.; CHIRKOVSKAYA, Ye.V.

Study of phospholipides of the nervous system in the evolutionary series of animals. Biokhimiia 28 no.6:978-986 N-D'63 (MIRA 17:1)

1. Laboratory of Neurochemistry, Institute of Evolutionary Physiology, Academy of Sciences of the U.S.S.R., Leningrad.

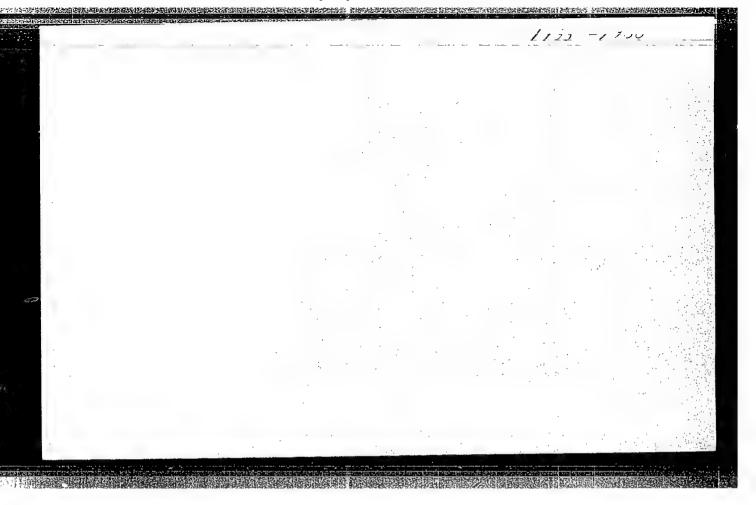
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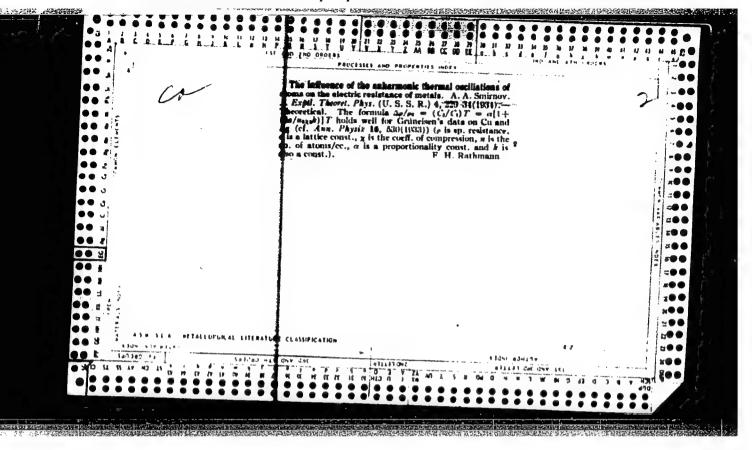
KREPS. Ye.M.; MANUKYAN, K.G.; PATRIKEYEVA, M.V.; SMIRNOV, A.A.; CHENYKAYEVA, Ye.Yu.; CHIRKOVSKAYA, Ye.V.

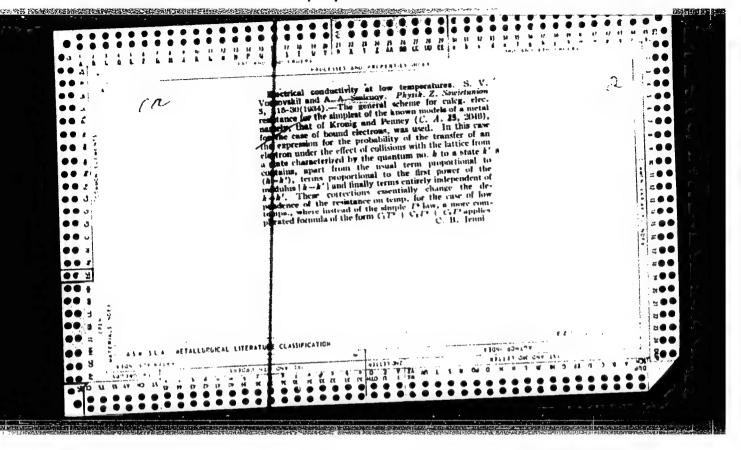
Phospholipides in subcellular particles of the chick brain. Biokhimiia 29 no.6:1111-1118 N-D 164.

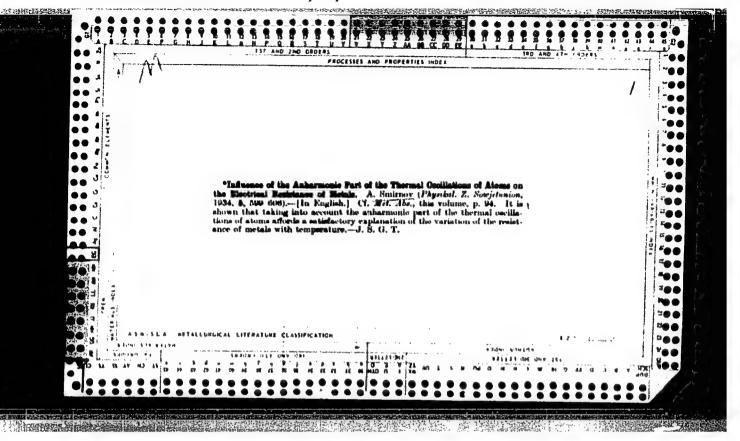
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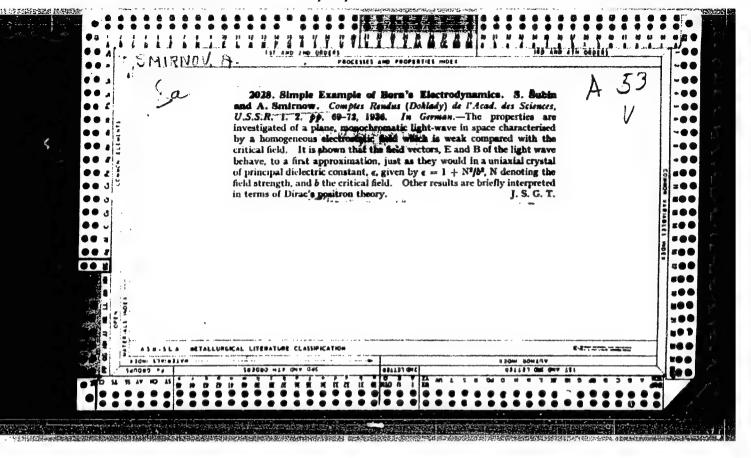


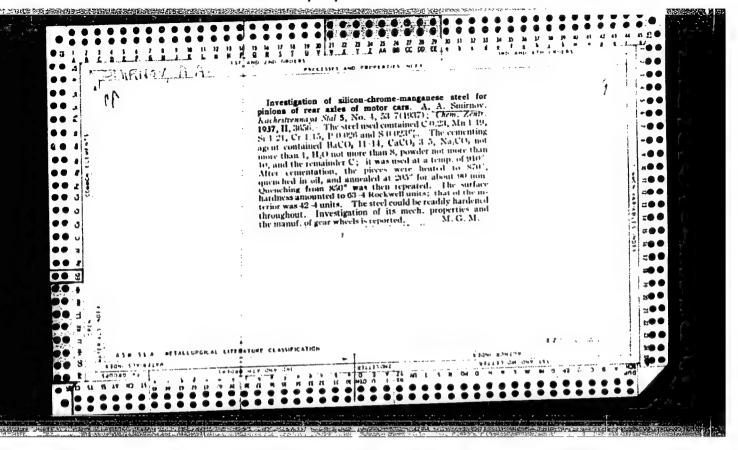


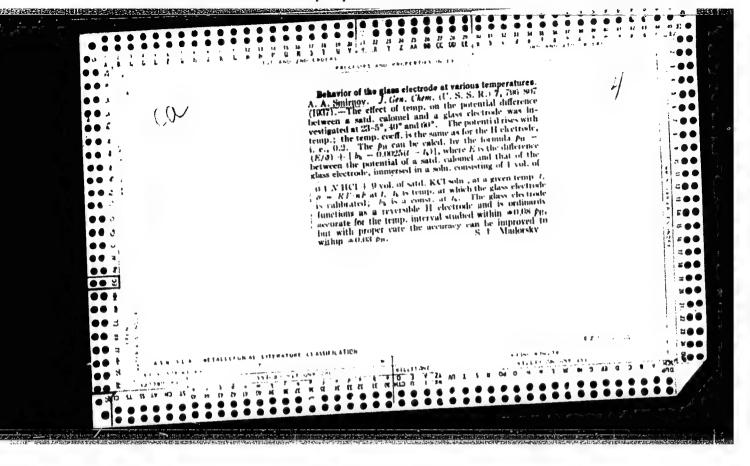
SMIRNOV, A. A.

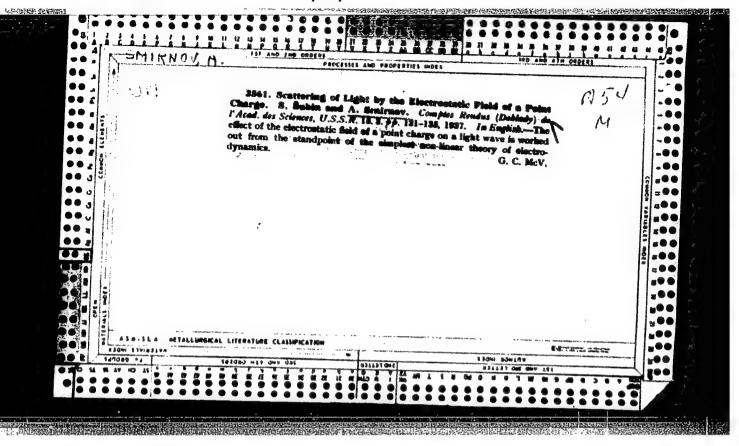
The Problem of Interaction between the Electron and Electromagnetic Radiation in Quantum Electrodynamics.

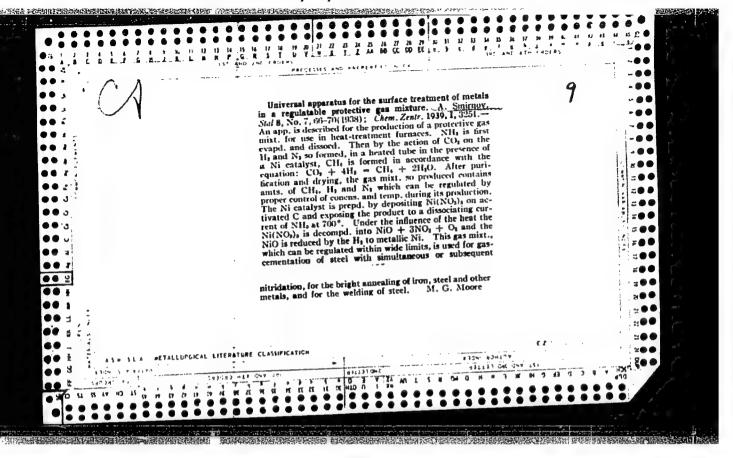
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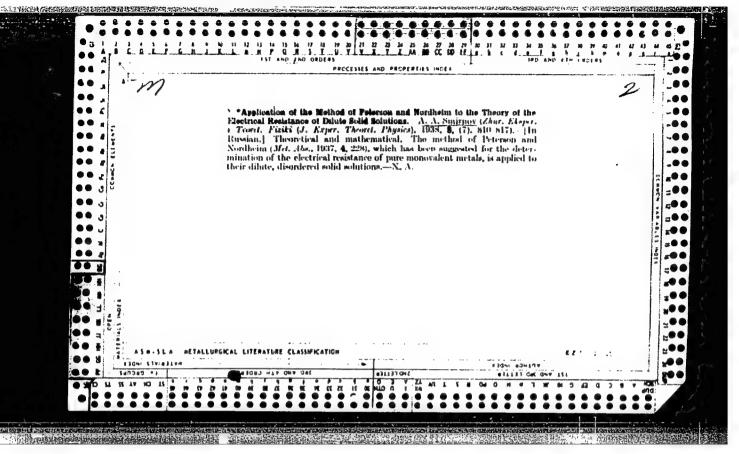


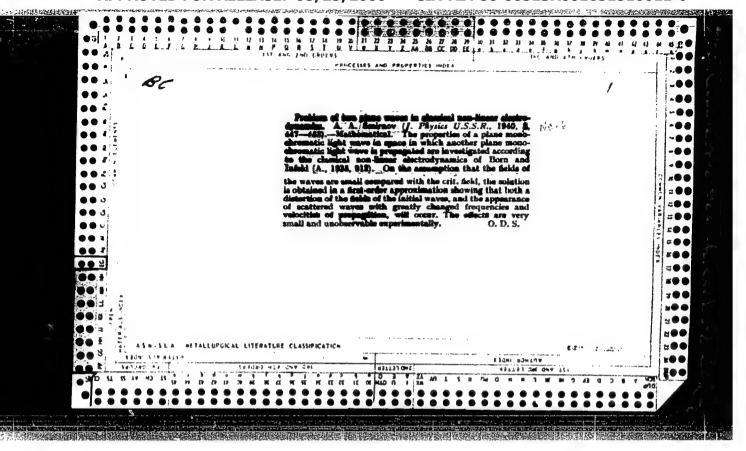


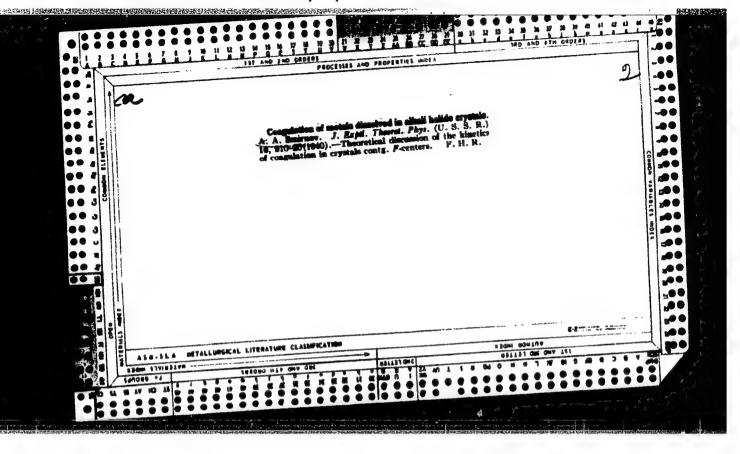


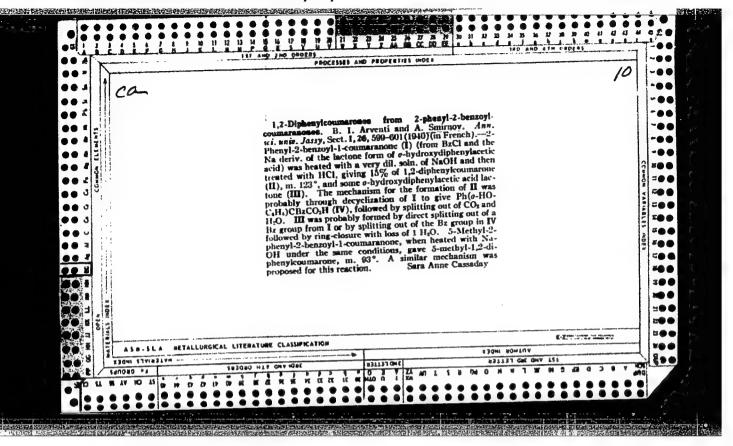


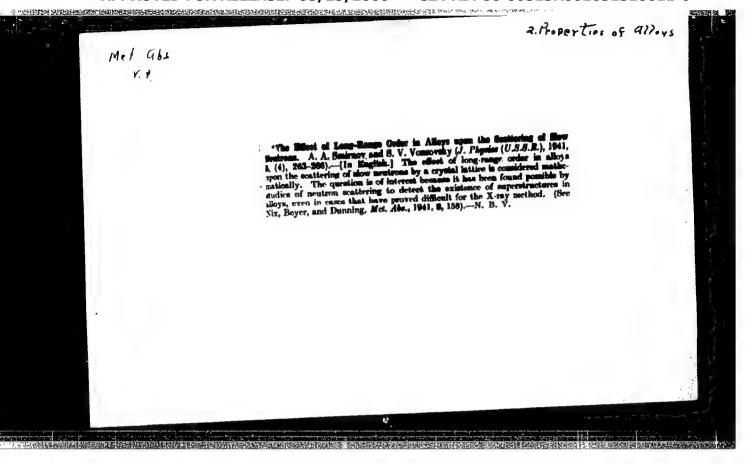


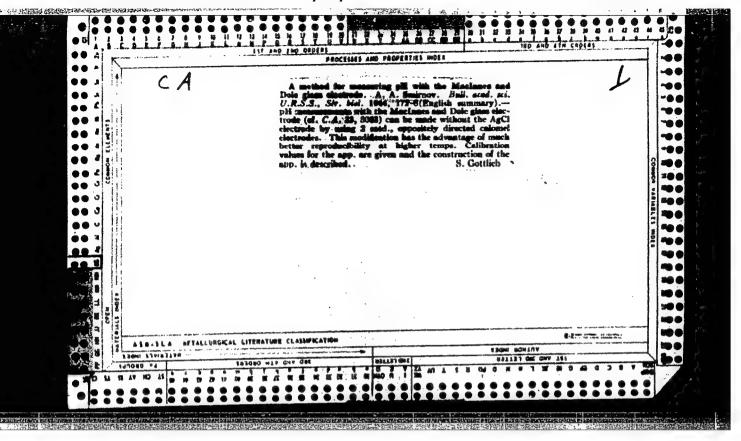


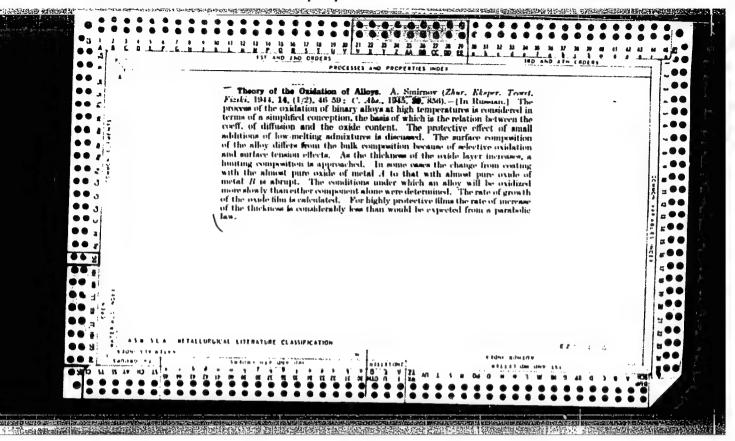


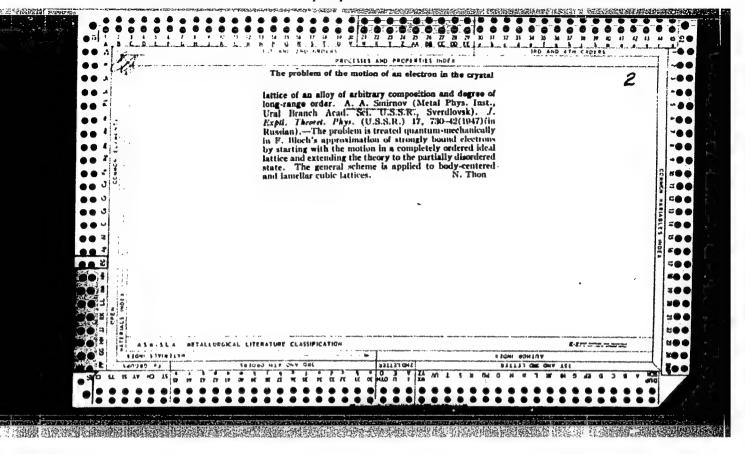




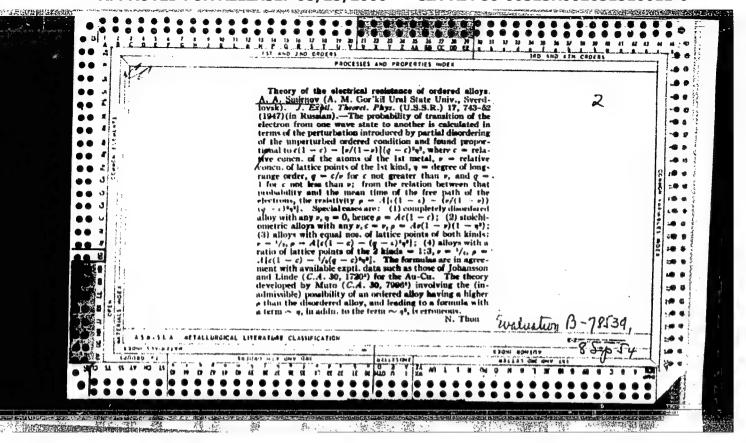








SMIRNOV, A	A. A. 5	this theory can be sdayted electromagnetic phenomena	USER/Physics (Contd.)	rat discusses tablish the tl tal sample; ho le himself to rry the factus e second part	"Izy Ak Nauk, Ser Fir	"The Theory of Electrons loys," A. A. Smirnov, In Ural Branch, Academy of	USSE/Physics Alloys Calvanceagnetic Phenomens	
	761795	in stable alloys.	36187 Sep/oct 1947	theory within the regular lattice of a however, first the author had to reconstitute insdequencies, so as to be able to usl calculations through to the end. In the article the author shows how	Ber Fizioh" Vol XI, No 5	Institute of Physics of Metals of Sciences of the USER, 3t pp	Phenomena	



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USSR/Metals

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Alloys - Oxidation Oxidation

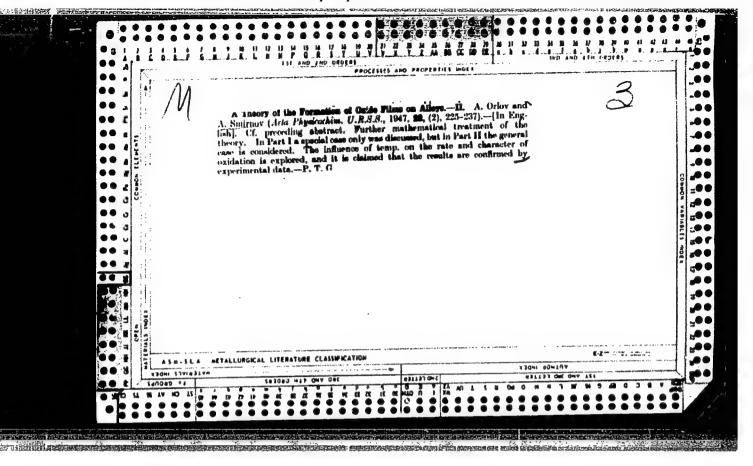
"A Theory of the Oxidation of Alloys, Part I,"
A. Smirnov, Academy of Sciences of the USSR, Ural
Branch, Institute of Metal Physics, Laboratory of
Phase Transitions, Sverdlovsk, 25 pp

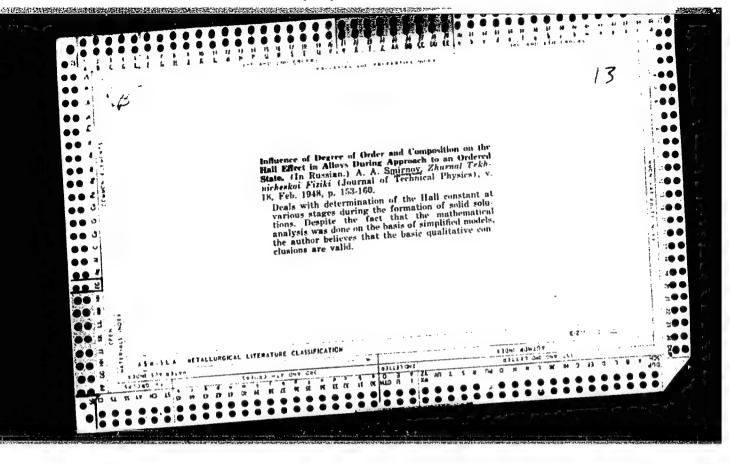
"Acta Physicochimica USSR" Vol XXII, No 1

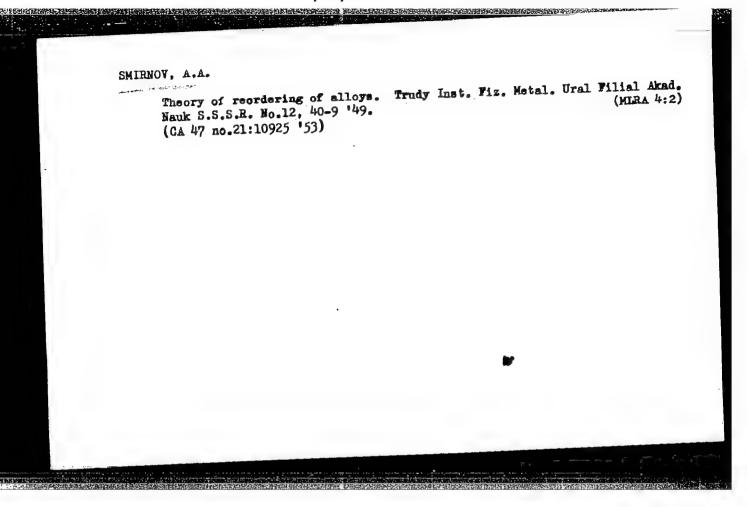
A thorough study is given of the oxidation of binary alloys as a function of metal type, atomic concentration of lattice, oxide-film thickness, etc.

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SMIRNOV, A. A.	J .	USSR/Metals diffusion of temperation of temperations	I Turther develo		/49T41 Orlow, A	USSR/Metals Oxide Alloys
		USSR/Metals (Contd) diffusion of both metals in its composition. Considers of temperature on speed of clength. Submitted 17 May &	15 14 15 14 18 18 18 18 18 18 18 18 18 18 18 18 18	"Zhur Tekh Fiz" Vol XIX, No 5	"Theory of Oxide-Film Formation on Alloys, Orlov, A. A. Smirnov, Inst of Metallophys, Affilliate Acad Sci USSR, 10 pp	Metals Oxide Films Alloys
		(Contd) metals in Consider; speed of 1 17 May 1	s theory of high-temperature y alloys, using model descri- ort ("Zhurnal Eksperimental", Fiziki," Vol XIV, 1944, p 46 for case when coefficient of 51/49T41	701 XIX, M	Film Forms nov, Inst of USSR, 1	
	Şī	the proi	of high-tempo, using model, used Eksperin Vol XIV, 1941 when coefficing	0 5	of Metall	
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SMIRNOV, A. A.

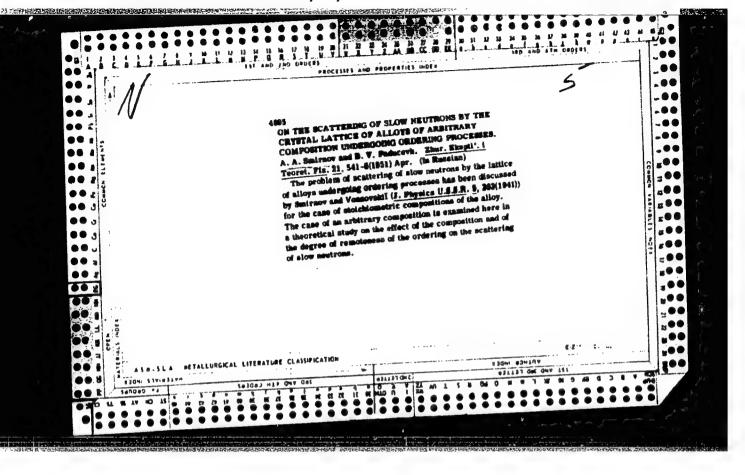
SMIRNOV, A. A.

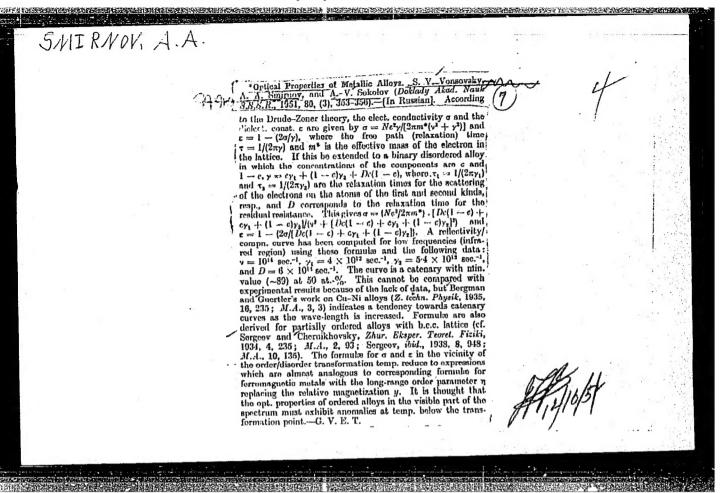
HISTERENKO, Ye.H.; HINNEGOCOLX.; KURDJUMOV, H.V., diyenyy chlen.

Disturbance of regularity in the crystallic lattice of alloys. Dop.AN URSR (MLRA 6:9)

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1. Akademiya nauk Ukrayins'koyi RSR (for Kurdyumov). 2. Laboratoriya metalofizyky Akademiyi nauk Ukrayins'koyi RSR (for Nesterenko and Smyrnov). (Metallography)





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Effect of spaces in centers of the crystal lattice of a metal on its elec-

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(Metallography) (Mectric resistance)

